BRUHATH BENGALURU MAHANAGARA PALIKE

QUALITY CONTROL TEST REPORT

Name of Work: Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Civil Aim Consultants & Engineers

(An ISO 9001: Certified Company)

NABL Accredited as per ISO-17025: 2017 Laboratory

NO.01,Satvika Nilaya , Opp. Widia Poorna Prajna School,
Ramaiah Layout,Nagasandra,Bangalore-560073

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QC ABSTRACT

Nameof Work: Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes	Frequency
1	Material	597.12 Cum	1	1	Cement Sand, Aggregates	One Test Per Lot
2	M15	25.51 Cum	3	3	Concrete Cube Compressive Strength	-
3	M30	587.06 Cum	15	15	Concrete Cube Compressive Strength	-
4	Grade 5	231.46 Cum	2	2	-	-
5	CC Blocks(400X150X200)	94.92 Sqm	1	1	Compressive Strength& Bulk density	-
6	Precast slab (100mm)	281.07 Sqm	1	1	Concrete Core Compressive Strength	-
7	Precast slab (250mm)	50.10 Sqm	1	1	Concrete Core Compressive Strength	-

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 04.06.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri .E.Ramesh Aanand,**Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		May - 2022
DATE OF TESTING		02.06.2022 to 04.06.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	335 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date : 04.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of Work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Date of Testing : 04.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	90	9.00	9.00	91.0	90-100
2.36	140	14.00	23.00	77.0	75-100
1.18	186	18.60	41.60	58.4	55-90
600 Micron	169	16.90	58.50	41.5	35-59
300 Micron	226	22.60	81.10	18.9	8-30
150 Micron	143	14.30	95.40	4.6	0-10

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date :04.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client :Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : Sri .E.Ramesh Aanand,Contractor, Bangalore.

Name of Work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Date of Testing :04.06.2022

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	17	1.70	1.70	98.3	90-100
1.18	35	3.50	5.20	94.8	70-100
600 Micron	84	8.40	13.60	86.4	40-100
300 Micron	261	26.10	39.70	60.3	5-70
150 Micron	491	49.10	88.80	11.2	0-15

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date : 04.06.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of Work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Date of Testing : 04.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	195	3.9	3.9	96.1	95-100
10	2502	50.0	53.9	46.1	25-55
4.75	1969	39.4	93.3	6.7	0-10

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date : 04.06.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of Work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Date of Testing : 04.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	185	1.23	1.23	98.77	95-100
20	8215	54.77	56.00	44.00	30-70
10	3251	21.67	77.67	22.33	10-35
4.75	2793	18.62	96.29	3.71	0-5

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date : 06.06.2022

TEST REPORT ON SOLID CONCRETE BLOCKS

Client :**Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the Work :Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Date of Testing : 06.06.2022

Size of Blocks : 400mm x 150mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	23.5	241.9	4.03	1958.33	Minimum required Compressive Strength of Individual Units $4N/mm^2$
2	Block 2	23.6	243.1	4.05	1966.67	
3	Block 3	23.8	246.8	4.11	1983.33	
4	Block 4	23.7	244.7	4.08	1975.00	

Note:

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**
Agency	**:Sri .E.Ramesh Aanand,Contractor, Bangalore.**
Name of the work	: Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	27.06.2022	8.174	284.2	12.63
2	20.06.2022	27.06.2022	8.168	269.3	11.97
3	20.06.2022	27.06.2022	8.156	280.4	12.46

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 18.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	18.07.2022	8.174	378.6	16.83
2	20.06.2022	18.07.2022	8.169	389.4	17.31
3	20.06.2022	18.07.2022	8.155	365.8	16.26

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	27.06.2022	8.195	268.8	11.95
2	20.06.2022	27.06.2022	8.184	284.9	12.66
3	20.06.2022	27.06.2022	8.166	249.2	11.08

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 18.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	18.07.2022	8.166	389.6	17.32
2	20.06.2022	18.07.2022	8.159	365.8	16.26
3	20.06.2022	18.07.2022	8.146	376.2	16.72

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency :**Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	27.06.2022	8.165	284.6	12.65
2	20.06.2022	27.06.2022	8.154	267.3	11.88
3	20.06.2022	27.06.2022	8.179	276.9	12.31

Note:

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 18.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**
Agency	**:Sri .E.Ramesh Aanand,Contractor, Bangalore.**
Name of the work	: Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2022	18.07.2022	8.184	384.2	17.08
2	20.06.2022	18.07.2022	8.169	376.9	16.75
3	20.06.2022	18.07.2022	8.154	392.4	17.44

Note:

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 28.06.2022

PRECAST SLAB 100 mm Thick(CORE) TEST REPORT

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Contractor : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of Work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

No.of Sample Tested : 03

Date of Testing : 28.06.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.375	2357.85	1.62	0.959	39.50	20.12	21.73	20.83	26.04
2	50.00	83.00	0.389	2386.94	1.66	0.963	40.10	20.42	22.06	21.25	26.56
3	50.00	85.00	0.399	2390.69	1.70	0.968	40.80	20.78	22.44	21.71	27.14

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 28.06.2022

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**
Contractor	:	**Sri .E.Ramesh Aanand,Contractor, Bangalore.**
Name of Work	:	Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division
No.of Sample Tested	:	03
Date of Testing	:	28.06.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	115.00	1.698	2320.95	1.28	0.922	128.90	20.26	21.88	20.18	25.22
2	90.00	117.00	1.756	2359.19	1.30	0.924	130.20	20.47	22.10	20.43	25.54
3	90.00	119.00	1.798	2375.02	1.32	0.927	131.90	20.73	22.39	20.75	25.94

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Job No: CACE/BBMP/ERA/W.No.06/2022-23 Date : 22.06.2022

GRADATION FOR GSB (Grading V)

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

BIS Code : IS 2386 Part (1):1963
: IS 2720 part (5):1985

Date of Testing : 20.06.2022 to 22.06.2022

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	710	710	5.46	94.54	80-100
26.5	2256	2966	22.82	77.18	55-90
9.5	2152	5118	39.37	60.63	35-65
4.75	1898	7016	53.97	46.03	25-50
2.36	3659	10675	82.12	17.88	10-20
0.85	1758	12433	95.64	4.36	2-10
0.425	362	12795	98.42	1.58	0-5

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Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	20.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

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Job No: CACE/BBMP/ERA/W.No.06/2022-23 Date : 22.06.2022

GRADATION FOR GSB (Grading V)

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

BIS Code : IS 2386 Part (1):1963
: IS 2720 part (5):1985

Date of Testing : 20.06.2022 to 22.06.2022

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	726	726	5.58	94.42	80-100
26.5	2158	2884	22.18	77.82	55-90
9.5	2098	4982	38.32	61.68	35-65
4.75	1865	6847	52.67	47.33	25-50
2.36	3715	10562	81.25	18.75	10-20
0.85	1752	12314	94.72	5.28	2-10
0.425	268	12582	96.78	3.22	0-5

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 05.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	05.07.2022	8.188	500.1	22.23
2	28.06.2022	05.07.2022	8.195	516.8	22.97
3	28.06.2022	05.07.2022	8.165	488.9	21.73

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 26.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	26.07.2022	8.188	715.2	31.79
2	28.06.2022	26.07.2022	8.156	726.8	32.30
3	28.06.2022	26.07.2022	8.164	732.6	32.56

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 05.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	05.07.2022	8.144	500.2	22.23
2	28.06.2022	05.07.2022	8.165	484.6	21.54
3	28.06.2022	05.07.2022	8.152	496.8	22.08

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For CIVIL AIM CONSULTANTS & ENGINEERS

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

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(Building Geo-Tech & Highway Materials Testing Laboratory)

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NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 26.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	26.07.2022	8.154	705.2	31.34
2	28.06.2022	26.07.2022	8.136	719.3	31.97
3	28.06.2022	26.07.2022	8.168	724.8	32.21

Note:

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 05.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	05.07.2022	8.135	501.2	22.28
2	28.06.2022	05.07.2022	8.124	519.6	23.09
3	28.06.2022	05.07.2022	8.149	488.6	21.72

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 26.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

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Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	26.07.2022	8.168	711.2	31.61
2	28.06.2022	26.07.2022	8.184	709.6	31.54
3	28.06.2022	26.07.2022	8.146	724.8	32.21

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Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

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Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	05.07.2022	8.174	515.2	22.90
2	28.06.2022	05.07.2022	8.169	505.3	22.46
3	28.06.2022	05.07.2022	8.188	484.9	21.55

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 26.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	26.07.2022	8.154	705.2	31.34
2	28.06.2022	26.07.2022	8.146	719.3	31.97
3	28.06.2022	26.07.2022	8.168	724.6	32.20

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	05.07.2022	8.184	515.2	22.90
2	28.06.2022	05.07.2022	8.169	475.6	21.14
3	28.06.2022	05.07.2022	8.128	508.2	22.59

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2022	26.07.2022	8.198	704.2	31.30
2	28.06.2022	26.07.2022	8.156	716.8	31.86
3	28.06.2022	26.07.2022	8.136	724.9	32.22

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For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 06.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	06.07.2022	8.188	511.2	22.72
2	29.06.2022	06.07.2022	8.192	484.6	21.54
3	29.06.2022	06.07.2022	8.164	493.9	21.95

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 27.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	27.07.2022	8.184	705.2	31.34
2	29.06.2022	27.07.2022	8.176	719.3	31.97
3	29.06.2022	27.07.2022	8.190	728.5	32.38

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 06.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	06.07.2022	8.140	500.2	22.23
2	29.06.2022	06.07.2022	8.138	516.8	22.97
3	29.06.2022	06.07.2022	8.184	484.6	21.54

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

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(Building Geo-Tech & Highway Materials Testing Laboratory)

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 27.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**
Agency	**: Sri .E.Ramesh Aanand,Contractor, Bangalore.**
Name of the work	: Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	27.07.2022	8.188	725.2	32.23
2	29.06.2022	27.07.2022	8.169	719.6	31.98
3	29.06.2022	27.07.2022	8.146	709.4	31.53

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

For CIVIL AIM CONSULTANTS & ENGINEERS

P.V.Kanth
Authorised Sighatory

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 06.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	06.07.2022	8.177	515.2	22.90
2	29.06.2022	06.07.2022	8.189	521.8	23.19
3	29.06.2022	06.07.2022	8.168	508.9	22.62

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Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	27.07.2022	8.177	719.8	31.99
2	29.06.2022	27.07.2022	8.169	726.3	32.28
3	29.06.2022	27.07.2022	8.181	732.5	32.56

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	06.07.2022	8.165	505.2	22.45
2	29.06.2022	06.07.2022	8.146	513.9	22.84
3	29.06.2022	06.07.2022	8.152	484.5	21.53

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

For CIVIL AIM CONSULTANTS & ENGINEERS

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	27.07.2022	8.198	709.3	31.52
2	29.06.2022	27.07.2022	8.165	716.2	31.83
3	29.06.2022	27.07.2022	8.146	724.5	32.20

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 06.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	06.07.2022	8.188	506.2	22.50
2	29.06.2022	06.07.2022	8.169	516.3	22.95
3	29.06.2022	06.07.2022	8.146	489.3	21.75

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 27.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2022	27.07.2022	8.168	716.2	31.83
2	29.06.2022	27.07.2022	8.189	724.5	32.20
3	29.06.2022	27.07.2022	8.172	738.9	32.84

Note:

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ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರ
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Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 07.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.198	509.3	22.64
2	30.06.2022	07.07.2022	8.166	524.2	23.30
3	30.06.2022	07.07.2022	8.146	521.3	23.17

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 28.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.188	708.2	31.48
2	30.06.2022	28.07.2022	8.160	716.9	31.86
3	30.06.2022	28.07.2022	8.146	722.4	32.11

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.198	500.2	22.23
2	30.06.2022	07.07.2022	8.165	516.3	22.95
3	30.06.2022	07.07.2022	8.146	489.3	21.75

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Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.184	726.3	32.28
2	30.06.2022	28.07.2022	8.169	708.2	31.48
3	30.06.2022	28.07.2022	8.154	714.6	31.76

Note:

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-28

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An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/ERA/W.No.06/2022-23 Date: 07.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.198	515.3	22.90
2	30.06.2022	07.07.2022	8.146	505.2	22.45
3	30.06.2022	07.07.2022	8.138	496.5	22.07

Note:

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2. The results indicated above are based on the tests carried out on the samples collected at the site.
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

For CIVIL AIM CONSULTANTS & ENGINEERS

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

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Job No.: CACE/BBMP/ERA/W.No.06/2022-23

Date: 28.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.**

Agency : **Sri .E.Ramesh Aanand,Contractor, Bangalore.**

Name of the work : Improvements to Roads and drains at Hegadenagara Surrounding area in ward No 6 Byatarayanapura Sub division

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.166	709.3	31.52
2	30.06.2022	28.07.2022	8.154	714.2	31.74
3	30.06.2022	28.07.2022	8.146	725.3	32.24

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.198	505.2	22.45
2	30.06.2022	07.07.2022	8.165	513.6	22.83
3	30.06.2022	07.07.2022	8.146	488.9	21.73

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Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.194	724.2	32.19
2	30.06.2022	28.07.2022	8.156	716.3	31.84
3	30.06.2022	28.07.2022	8.138	708.9	31.51

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Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.166	505.2	22.45
2	30.06.2022	07.07.2022	8.189	511.3	22.72
3	30.06.2022	07.07.2022	8.172	489.6	21.76

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.198	708.2	31.48
2	30.06.2022	28.07.2022	8.166	716.3	31.84
3	30.06.2022	28.07.2022	9.148	721.4	32.06

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